FastTrak Schedule Report

Overview

Store Name: My Store
Depot Name: My Depot
Delivery Date: 09/05/2024
Vehicles: 5
Packages: 267
Standard Priority: 223
Express Priority: 44

Schedule Profile

Auto-Minimise (Y/N): N
Optimisation Profile: Eco
Time Window: 8 hours
Estimated Time Per Delivery: 3 minutes

Vehicles

#	Vehicle	Packages	Load Utilisation (kg)	Volume (m³)	Distance (mi)	Time (hrs)
1	VE01ABC	54	753/1000 (75%)	12.6/15.0 (84%)	79.7	6.67
2	VE02ABC	55	880/1000 (88%)	15.0/15.0 (100%)	66.4	6.06
3	VE03ABC	57	843/1000 (84%)	14.9/15.0 (100%)	66.5	6.17
4	VE04ABC	54	811/1000 (81%)	15.0/15.0 (100%)	72.9	6.33
5	VE05ABC	47	613/1000 (61%)	14.9/15.0 (99%)	68.0	5.74

Performance

Total	Average Per Vehicle	Average Per Package
Packages: 267	Packages: 53.40	Packages: n/a
Driving Time: 30.97 hours	Driving Time: 6.19 hours	Driving Time: 0.12 hours
Distance: 353.47 miles	Distance: 70.69 miles	Distance: 1.32 miles
Weight: 3900.00 kg	Weight: 780.00 kg	Weight: 14.61 kg
Volume: 72.43 m³	Volume: 14.49 m³	Volume: 0.27 m³

Efficiency Metrics

Higher efficiency scores indicate better performance. A utilisation score of 100 indicates that the vehicle is being used to its full capacity.

Time Efficiency (TE) = Number of Packages / Time (minutes) * 100
Distance Efficiency (DE) = Number of Packages / Distance (miles) * 100
Weight Utilisation (WU) = Total Weight (kg) / Load Capacity (kg) * 100
Volume Utilisation (VU) = Total Volume (m³) / Volume Capacity (m³) * 100

#	Vehicle	TE	DE	WU	VU
1	VE01ABC	13.50	67.76	75.30	83.86
2	VE02ABC	15.12	82.87	88.00	99.99
3	VE03ABC	15.40	85.68	84.30	99.56
4	VE04ABC	14.21	74.04	81.10	99.98
5	VE05ABC	13.65	69.17	61.30	99.50
Average		14.37	75.54	78.00	96.57

Algorithm Information

The algorithm configuration has been selected as:

Initialisation: KMeans
Optimisation: None

Network State

Vehicles available: 5
Vehicles used: 5
Packages pending: 408
Packages scheduled: 267
Total Time Window: 40 hours

Solution Statistics

Initialisation	Optimisation	Packages	Time (hours)	Distance (miles)	TE	DE	WU	VU
KMeans	**None**	**267**	**30.97**	**353.48**	**14.37**	**75.53**	**78.00**	**96.58**